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#13

RAW SEQUENCE LISTING

DATE: 04/03/2002

PATENT APPLICATION: US/09/756,830B

TIME: 14:45:49

Input Set : A:\55525-8046.US00-SEQLIST.TXT

Output Set: N:\CRF3\04032002\I756830B.raw

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4 <110> APPLICANT: Brenner, Sydney
5     Williams, Steven R.
7 <120> TITLE OF INVENTION: Enzymatic Synthesis of Oligonucleotide
8     Tags
10 <130> FILE REFERENCE: 55525-8046.US00
12 <140> CURRENT APPLICATION NUMBER: US 09/756,830B
13 <141> CURRENT FILING DATE: 2001-01-08
15 <160> NUMBER OF SEQ ID NOS: 37
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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20 <211> LENGTH: 58
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: synthetic oligonucleotide
27 <400> SEQUENCE: 1
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30 <210> SEQ ID NO: 2
31 <211> LENGTH: 17
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: primer
38 <400> SEQUENCE: 2
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41 <210> SEQ ID NO: 3
42 <211> LENGTH: 17
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: primer
49 <400> SEQUENCE: 3
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52 <210> SEQ ID NO: 4
53 <211> LENGTH: 55
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: adaptor
60 <400> SEQUENCE: 4
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63 <210> SEQ ID NO: 5
64 <211> LENGTH: 57

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: cloning vector
71 <400> SEQUENCE: 5
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74 <210> SEQ ID NO: 6
75 <211> LENGTH: 32
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: vector
82 <400> SEQUENCE: 6
83 ddddddddg gccaatgct gcaagcttgg cg      32
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 20
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: adaptor
93 <400> SEQUENCE: 7
94 gaggagatga agacgadddd      20
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 55
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: vector
104 <400> SEQUENCE: 8
105 gcagaggaga tgaagacgad ddddddddd dggggcccaat gctgcaagct tggcg      55
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 78
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: tag repertoire
115 <400> SEQUENCE: 9
116 cgacacctgc agttatcgga ggagatgaag acggdddddd dddddgggc ccatatatcc      60
117 gtctgcacaa gcttacgg      78
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120 <211> LENGTH: 72
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: vector
127 <400> SEQUENCE: 10
128 ctgcagttat cggaggagat gaagacggdd ddddddddd gggcccatat atccgtctgc      60
129 acaagcttac cg      72
131 <210> SEQ ID NO: 11

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132 <211> LENGTH: 37
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: adaptor
139 <400> SEQUENCE: 11
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142 <210> SEQ ID NO: 12
143 <211> LENGTH: 86
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: vector
150 <400> SEQUENCE: 12
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152 atatatccgt ctgcacaagc ttaccg 86
154 <210> SEQ ID NO: 13
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156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: adaptor
162 <400> SEQUENCE: 13
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165 <210> SEQ ID NO: 14
166 <211> LENGTH: 47
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: adaptor
173 <400> SEQUENCE: 14
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176 <210> SEQ ID NO: 15
177 <211> LENGTH: 25
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: adaptor
184 <400> SEQUENCE: 15
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187 <210> SEQ ID NO: 16
188 <211> LENGTH: 74
189 <212> TYPE: DNA
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192 <220> FEATURE:
193 <223> OTHER INFORMATION: synthetic oligonucleotide
195 <400> SEQUENCE: 16
196 cgagaaagag ggataaggct cgagcttaat taagagtcga cgaattcggg cccggatcct 60
197 gactctttct ccct 74

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199 <210> SEQ ID NO: 17
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201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: synthetic oligonucleotide
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208 ctagagggag aaagagtcag gatccgggcc cgaattcgtc gactcttaat taagctcgag      60
209 ccttatccct ctttctcggt ac                                             82
211 <210> SEQ ID NO: 18
212 <211> LENGTH: 47
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: synthetic oligonucleotide
219 <400> SEQUENCE: 18
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222 <210> SEQ ID NO: 19
223 <211> LENGTH: 47
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: vector
230 <400> SEQUENCE: 19
231 gatactacgt tgtcttccca gtgtgatgga attcgaagac ttatgcc                47
233 <210> SEQ ID NO: 20
234 <211> LENGTH: 72
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: synthetic oligonucleotide
241 <400> SEQUENCE: 20
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243 cgatgggtcat ag                                                         72
245 <210> SEQ ID NO: 21
246 <211> LENGTH: 45
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: synthetic oligonucleotide
253 <400> SEQUENCE: 21
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256 <210> SEQ ID NO: 22
257 <211> LENGTH: 62
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: synthetic oligonucleotide
264 <400> SEQUENCE: 22

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265 agcgtctaga gcggccgctt ccggctcgta tggtgtgtgg caggaaacaa gctatgacca      60
266 tc                                                                           62
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269 <211> LENGTH: 57
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: synthetic oligonucleotide
276 <400> SEQUENCE: 23
277 gatggatccg aattctgcag aagacttatg ctcgagggcc caaagcttgt taattaa      57
279 <210> SEQ ID NO: 24
280 <211> LENGTH: 22
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: synthetic oligonucleotide
287 <400> SEQUENCE: 24
288 tcgagggccc gcataagtct tc                                             22
290 <210> SEQ ID NO: 25
291 <211> LENGTH: 22
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: vector
298 <400> SEQUENCE: 25
299 tcgagaagac ttatgcgggc cc                                             22
301 <210> SEQ ID NO: 26
302 <211> LENGTH: 217
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: adaptor
309 <400> SEQUENCE: 26
310 aattctgtaa aacgacggcc agtcgccagg gttttcccag tcacgacgtg aataaatagt      60
311 taattaagga ataggcctct cctcgagctc ggtaccgggc cgcataagt cttcatctat      120
312 cgatgattga agagcgatat cgctcttcaa tcggatccat cctcaactaa ttaccacaca      180
313 acatacgagc cggaagcggg tcatagctgt ttctga                             217
315 <210> SEQ ID NO: 27
316 <211> LENGTH: 55
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: complementary sequence to adaptor
323 <400> SEQUENCE: 27
324 gatccgaatt cgaagactta tgcggggcccg aggagtgagc tcatccttaa ttaac      55
326 <210> SEQ ID NO: 28
327 <211> LENGTH: 10
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

DATE: 04/03/2002

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